

FOLIO

University of Alberta

15 June 1989

Board of Governors taken aback by decline of Lister Hall, Michener Park residences

The Lister Hall and Michener Park residences are in dire straits.

A fall 1988 study of the five highrises that make up the two complexes has revealed numerous fire safety and structural problems, the severity of which hastened Board of Governors' approval of the spending of some \$2.5 million for repairs necessary to stabilize the buildings for a period of at least three to five years.

That sum is not readily available.

University will seek to borrow the money from the provincial government on an interim basis.

The governors heard more unsettling news at their meeting on 2 June.

"Approximately \$50 million is needed to put the residences in order to be of use for another 25 years," Jack Scott, Chair of the Building Committee, told the Board.

(The buildings are 20 to 25 years old and are effectively considered to be halfway through their life span.)

The state of the residences hit the governors like a bolt from the blue. There naturally followed questions like, "Are we looking at the situation properly every year?" and "How do these buildings deteriorate so badly that the Building Committee comes to us now with such a large request?"

John Schlosser, Board Chair, said the University has been negligent in doing some of its renovations, but that to do so students would have had to bear rent increases. (The University doesn't receive a maintenance allocation in the annual budget.)

Every year the University is faced with a large mortgage payment, President Myer Horowitz pointed out. If that payment were a lesser

amount the University could use the difference for renovations, he said.

"We have an inequity situation that cries out for attention," Dr Horowitz stated, referring to housing here and at the Universities of Calgary and Lethbridge. The Olympic Association of Canada was totally behind the housing built for the 1988 Winter Olympics; the housing which went up in conjunction with Universiade '83 received only 50 percent outside funding, Dr Horowitz said.

David Tupper, President of the Students' Union, said, "We have to make sure that government and the public remember that this is the University of Alberta, not the University of Edmonton. We simply can't continue to offer affordable housing without assistance from government."

In other news, the Board approved a revised total of up to

Meekison appointed Acting President

At a recent meeting of the Board of Governors Executive Committee, a motion was passed appointing J Peter Meekison, Vice-President (Academic), as Acting President of the University of Alberta for the period 1 to 31 July 1989.

President Myer Horowitz's term of office ends on 30 June; President-elect Paul Davenport takes office on 1 August. □

\$2,467,000 to provide decanting space for the occupants of Corbett Hall to facilitate the restoration of the building. And Car Park V has been named "South Field Car Park".

Killam Chair appointment

Vice-President (Research) James announced that David Schindler has been appointed to a Killam Memorial Chair, effective 1 July. Dr Schindler is currently a research scientist in experimental limnology with the Government of Canada in the Department of Fisheries and Oceans in Winnipeg.

His interests range from climate and geochemistry to trophic interactions as well as aquatic, wetland, and terrestrial ecosystems.

Dr Schindler is a Fellow of the Royal Society of Canada.

The two Killam Memorial Chairs at this University (Hiroomi Umezawa is the other Chair holder) are among the most senior chairs in the fields of pure and applied science. While primarily a research appointment, professors are also expected to do some teaching. Dr Schindler's appointment will be held jointly in the Departments of Zoology and Botany. □



A place for everything

Construction of a bridge and an azumaya (a shelter for contemplation) proceeds at the Kurimoto Japanese Garden, U of A Devonian Botanic Garden. The azumaya is being built by Japanese carpenters in the traditional method, without nails.

University of Alberta

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15 June 1989

Convocation '89: Horowitz tips mortarboard to student body

President Myer Horowitz delivered the following Report to Convocation on 5 June.

Let's play Trivial Pursuit, Trivial Pursuit with a University of Alberta focus. How many degrees will be granted this afternoon? How many in Science? Did I hear 200? 400? And what about in Business? 150? 250? Well, I know the answers. This is really a fun game for me because I've made up all the questions which guarantees that I'll be the winner. The 511 graduates in Science and the 368 in Business (for a total this afternoon of 879) will be joined by the hundreds in other Faculties at the remaining Convocations this week and next so that at the completion of the sixth ceremony a week from tomorrow 4,216 people will have graduated. When we add to this number those of our former students who received their degrees at the Fall Convocations this past November, we have a grand total for the 1988-89 academic year of 5,857. That number of graduates is almost as large as the total number of students (not just the graduates, but all the students) when I first came here as a Master's student 31 years ago.

Would you like to continue to play my game? How many degree students have we had registered this past year? And how does that number compare with other years? In 1988-89 we had about 29,000 full- and part-time students. As our numbers grew from about 7,000 in 1958-59 (when I was a graduate student) to 22,000 in 1979-80 (when I became President) to 29,000, inevitably we concentrated more and more on the effect on the University of the increasing numbers in our total enrollment. Perhaps we haven't attended as much as we might have to the composition of our student body. I suggest that the changes in the characteristics of our student community are as dramatic as are the increases in total numbers.

For my primary source of information, I use the most recent edition of the Registrar's annual best seller, *Summary of Statistics*. I appreciate that for most people a compilation of statistical tables isn't as exciting as a novel or a mystery or a Harlequin Romance. I make a confession. Truly, I find the contents fascinating and so when

on leave next year perhaps I should use the *Summary of Statistics* 1988-89 to create what might become the popular game of the 1990s, University of Alberta Trivial Pursuit. With colorful packaging and daring marketing we can have a new source of income both for our University and for its soon-to-be former President! Or if a more scholarly contribution is expected of me during my leave, I could write an article, or better still a book, on the theme: "All You Wanted to Know About the University of Alberta, But Were Afraid to Ask".

How would you describe our almost 29,000 degree students? At what levels are they studying? What percentage come from Edmonton? From Alberta? From Canada? From other parts of the world? How many come to this University directly from high schools? What percentage are somewhat older, say, 25 years or older? What was the age of our oldest student?

How unique is the part-time student at our University? I leave it for you to judge. Almost 4,200 of our students are listed as "part-time" and they represent 14.5 percent of the total student body. While the percentage of part-time students in the two Faculties represented here this afternoon is about 6 percent, it is much higher in a number of other Faculties.

About 6,000 undergraduate students were new to our University this past year. Where were these individuals the year before they registered here? In high school? Well, not all. While 60 percent of new students in Business and 75 percent of new students in Science attended high school immediately before coming to our University, the percentage for undergraduate Faculties combined is only 50 percent. Almost 30 percent of our new students transfer from other post-secondary institutions, mainly from public colleges in Alberta, and more than 20 percent have been away from formal schooling for a year or more.

What about the age distribution of our student community? 10,388 students are 25 years of age or older. That's more than 36 percent. Even when we focus on only undergraduates we find that

29 percent are in that age group. Many of our part-time students are older because a good number have been away from formal schooling for a while. In fact, almost 80 percent of part-time students are at least 25 years old.

Did you know that 1,681 of our students are 40 years or older and, of this group, 55 are at least 60 years old? Some of our mature students need particular help and so for several years we have had a mature student coordinator in the Office of the Dean of Student Services who is responsible for orientation sessions, individual counselling and the coordination of a large number of different activities.

Of our Alberta students, understandably, the majority, actually 70 percent, are Edmontonians and the remaining 30 percent divide into three equal

groups: (1) those from northern Alberta communities such as Edson and Fort McMurray, (2) those from Red Deer and other central Alberta communities such as Stettler and Camrose and (3) those from Calgary, Lethbridge, Medicine Hat and other southern Alberta communities.

Surprisingly, only 7.5 percent of our students are Canadians from provinces other than Alberta and, as you would expect, most of them come from other western provinces.

Students from 85 countries studying at U of A

Our 1,556 foreign students have come from 85 different countries—from Algeria (with a representation of 2) right through the alphabet to Zimbabwe (with 5 registered).

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University
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While at 28 percent, international students are well-represented at the graduate level, they account for only 3.5 percent of the undergraduate enrollment. When I asked the Director of our International Centre to indicate developments which he considered important, he mentioned the new facilities for the International Centre, the University of Alberta/CIDA Scholarships for students from developing countries, the renaming of a residence as HUB International, the 4th Annual International Week this past March that included 60 events and involved 7,200 people, and the program at Michener Park for the spouses of international students.

I am pleased that we are showing increased interest in the welfare of members of the families of our international students and it is good that we are placing more importance on our assisting international students in their preparation for returning home. I hope that our students from countries other than our own benefit from their stay with us. Many who have returned to their homes have assured me in letters that they value their experience here. But whether or not we contribute to international students and to their own countries, I know that our University benefits from its international dimension. One of our Canadian students has said it well: "... Foreign students help make the University what it really should be—a place for the open exchange of ideas from around the world. They bring with them their respective cultures, knowledge and values, and take back with them a little of ours ... The

bonds formed with these students allow Canada to become part of a world-wide network that will help increase Canada's role in international relations in the future. Perhaps best of all is their friendship. I have cried and laughed with them. Most of all, I have learned from them."

The number of our native students is still very small but at 130 it is an increase over previous years. For the first time we have native students in programs such as Medicine and Agriculture and Forestry. Next fall we shall be admitting into a transitional year about 25 native students who have real promise even though they will need academic upgrading before they embark upon full-time university-level study.

About 150 of our students who have disabilities receive help from Disabled Student Services, an important unit in the Office of the Dean of Student Services. Three graduate students who are deaf are distinguishing themselves in programs in Education. We have students who are blind, others who depend on wheelchairs for their mobility, and some who have learning disabilities. During this past year 250 volunteers, many our own students, have devoted more than 8,500 hours in assisting disabled students in note-taking, the recording of texts on audio tape, examination writing, typing of assignments, and in providing other help.

Mr Chancellor, I am proud of the students we have at our University and I am pleased that we are determined to accomplish even more than we have to date in creating the best environment for studying and

living. Only last month the deans endorsed a number of proposals which place new importance on the recruitment of students of diverse backgrounds and on the orientation of our new students to the particular culture of this University.

During all of the 1980s, we have been concerned with dramatic increases in enrollment. How could it have been otherwise when our student numbers increased by about one-third over a relatively short time? Fortunately, the University, together with the Students' Union, the Graduate Students' Association, and a large number of other student groups, has given attention as well to the quality of the student experience. I suggest that during the 1990s, when enrollment will stabilize somewhat, we shall want to give

even more attention to the quality of the individuals we attract and the quality of their experiences while they are with us.

Whether in our *Summary of Statistics* you have been classified as full-time or part-time, whether you came directly from high school or from a college, whether you are an Edmonton, Alberta, Canadian or an international student, whether you've completed a program in Business or Science—to each of you who is graduating this afternoon, I convey my best wishes for your achieving success in whatever work or study is ahead for you, for your obtaining satisfaction in your service to your communities, and for your experiencing personal happiness in the challenges you will be meeting. Congratulations and good luck.□

Timms Collections Centre sod about to be turned

A much-awaited ceremony will take place Wednesday, 28 June. President Myer Horowitz and Board Chair, John Schlosser, will take spade in hand to ceremonially set in motion construction of the Timms Collections Centre.

Ruth Timms Nishioka and other members of the Timms family will be in attendance for the event. Members of the Friends of the University of Alberta Museums and volunteers from the Archives will be hosts for the afternoon (3 to 5 pm) ceremonies.

The Timms Collections Centre, to rise on the corner of 87 Avenue

and 112 Street, will house the University's more than 3 million artifacts in its 10,000 square feet of exhibition and display space. It will also store some of the more critically endangered collections and provide exhibition space, automated collections management and conservation for specialized collections held in Faculties and departments across campus.

Construction begins this September; June 1991 has been tabbed as the completion date. The Timms Collections Centre will open its doors to the public in the fall of 1992.□

Folio modifies its statement of purpose

Folio turns 25 on 1 July 1989. There's been a lot of ink under the bridge, some of it prompting the Office of Public Affairs and the Office of the Vice-President (Administration) to review the publication's guidelines. The following statement of purpose, then, is the basis for publication of Folio.

1. Folio is designed to inform the University community about people, events, and ideas currently enlivening University life.

Through news, feature stories, and photographs of University activities, Folio strives to strengthen a sense of community identity and

pride in our distinguished heritage, lively present, and very promising future.

3. Through profiles of staff and students, Folio strives to demonstrate that the University cares for the well-being and contributions of every one of its members.

4. Folio provides a forum for independent critical comment by members of the University on issues of importance to the University and universities in general. Letters or opinion pieces will be published subject to standards of good taste, relevance of topic, quality of

presentation, and editorial judgment.

5. Folio encourages Letters to the Editor subject to the following guidelines and conditions:

a) Letters must be free of defamatory or libellous content. Determination of this shall be solely at the discretion of the editorial board of Folio.

b) Folio reserves the right to reject any letter, edit letters for clarity and space, and to stop publishing letters on a particular topic at such point, in the sole opinion of the editor, the topic has been given a full hearing.

Opinions expressed in the "Letters" column do not necessarily reflect the views of Folio or the University of Alberta.

6. Folio strives to serve as an objective reporter of campus and University affairs; its vantage point is the best interests and well-being of the University as a whole.

7. Folio will sell advertising space to University and external advertisers whose product, service, and advertising presentation are consistent with reasonable and accepted community standards.□

Some sources of invalidity in student evaluations of university teaching

*By John W Osborne,
Department of
Educational Psychology*

Recently, at the University of Alberta, there has been another flurry of interest in the quality of academic teaching. Good teaching is a "motherhood and apple pie" topic which almost everybody involved in education considers vital. However, opinions divide on the issues of how teaching is to be evaluated and for what purpose(s) such evaluations will be used. At the U of A, for purposes of "increasing excellence", student teaching evaluations of professors are increasingly being used to deny promotion or to make a judgment of gross academic deficiency. Judgments made on the basis of teaching evaluations have a more significant impact on those professors who are at the extreme ends of a presumed normal distribution of teaching competency. For the vast majority (two standard deviations above and below the mean) teaching evaluations have no significant impact upon movement through a system which tends towards "positive reinforcement" (provision of a favorable consequence) for research productivity and "negative reinforcement" (avoidance of an unfavorable consequence) for teaching competency. Usually, one person in each Faculty can receive a teaching award. The winning of such awards is usually the type of evidence required to gain advancement on the grounds of outstanding teaching. Teaching evaluations seem to have more of a punitive than reinforcing function as presently used (good or very good teaching is not directly rewarded but poor teaching can be punished). It would not surprise me to find that many professors view teaching evaluations as an additional source of stress.

Those who make decisions about the adequacy/inadequacy of professorial teaching seem to rely upon numerical indices of "teaching competency" because they appear to be "objective" data which need little or no interpretation. It is much easier to

look at an overall number which reflects a class's evaluation of an instructor than it is to read large numbers of individual descriptive comments from students and then try to formulate a judgment of teaching competency. Time saved in making decisions is a valid concern. Nonetheless, interpretation plays an unavoidable role in the decision to evaluate teaching, through the choice of the method to be used and the use of the resulting data as a basis for making decisions about the academic welfare of professors. Perhaps the most important interpretive decision is that which determines what the "data" are to be. To presume that the use of numerical rather than descriptive "data" avoids problems of interpretation is naive. Student evaluations of professorial teaching are decontextualized quantifications of qualitative judgments. There are sources of invalidity, inherent in such evaluative procedures, which are sometimes masked by the aura of "objectivity".

To what extent do student evaluations of instructors/courses express displaced frustration and anger? Contextual factors such as overcrowding, increasing levels of cultural illiteracy, pedagogically unsound class schedules (e.g., two classes of 1 hour 50 minutes each for 10 weeks rather than three 50-minute classes or two 75-minute classes for 13 weeks), compulsory courses which present the instructor with a captive audience, chronic late arrival of textbooks at the Bookstore, lowered post-graduation job prospects (e.g., MacJobs) and inter-student competition may be, at least in part, causes of such frustration and anger. These are factors over which the instructor has no control but which may have a significant impact upon the teaching/learning context. We live in much tougher times than 10 years ago. The ethos of universities currently reflects the "lean and mean" orientation of government and business.

Instructors who teach value-laden subjects, especially in the human sciences and the arts, are more likely to encounter value

conflicts which may generate negative feelings and even hostility. In subject areas where teaching is largely a matter of presenting information such problems are less likely to occur. However, when one seeks to challenge existing prejudices and values in the attempt to show that human knowledge is partial and avowedly interpretive then one may come into conflict with those who hold naive epistemological views (e.g., a physicist might have a hard time presenting the Copernican view of the solar system if his/her class was composed of de facto members of the flat earth society). One might go so far as to say that teachers who never provoke "negative" emotions may be merely legitimizing existing prejudices.

Learning is not entirely a cognitive affair. The relation between effect and cognition is ambiguous. Sometimes the decision to keep emotion out of "thinking" is itself an emotional response. People are often identified with their ideas and will defend them as if they were extensions of their person. When prevailing prejudices are challenged, as they presumably should be in a university, psychological phenomena such as negative transference, displacement, denial, rationalization and projection can occur. It is always easier to blame another rather than accept responsibility for what one brings to the teaching and learning situation. Skinner's dictum that "the learner is always right" is a heavy cross to bear, if one is foolish enough to uncritically accept Skinner's behavioral engineering approach to teaching/learning.

Those who see learning as a reciprocal human encounter insist that teaching/learning is a cooperative process for which both parties must take responsibility to the extent that they are able, within the larger context of which they are part. Sometimes real learning is unpleasant or painful. Big Bird or Grover may not be available to always "make learning fun". Some topics may not be capable of being "watered down" any further without being drowned. Some complex ideas are not reducible to glib paraphrases or cryptic "bottom lines". Sometimes

the learner must stretch to the material rather than the material broken down into "gulp-sized units".

Hard to define learning

Another serious concern about the validity of any evaluation of teaching/learning arises from the difficulty of defining learning. One can find many ways of attempting to define learning in the psychological and educational literature. Strictly speaking we don't know what learning is but we do have numerous perspectives on the problem, all with their accompanying literature. Course evaluations routinely view learning in terms of a product and yet we describe learning as a process. The root metaphor of the machine permeates most standardized course/instructor evaluations. As one looks over the items on such standardized evaluations one can be struck by the strong interest in educational engineering (structuring logistical systems which deliver the product in an efficient way) and the strong interest in pleasing and even entertaining the consumer. The context of teaching/learning is conceptualized more in terms of structural properties rather than in terms of interpersonal dynamics. Mechanism is usually associated with reductive analysis rather than a holistic contextual perspective.

The exclusive use of mechanism in the human sciences has come increasingly under attack since the mid-1970s. Quantitatively based logical-empirical conceptualizations of learning have serious problems, mostly because they decontextualize learning and reduce it to the convenient but trivial (that which can be measured). Unfortunately, Rogers' conclusion that "learning equals testing" still seems appropriate. Performance is usually accepted as an index of learning. We talk of skills, conceptualizing and problem solving and yet there is considerable conceptual ambiguity surrounding these terms. Most applied references to learning, despite rhetoric to the contrary, deal with the transmission of information. The higher levels of cognitive activity such as comprehension, application, synthesis, analysis and evaluation, contained in Bloom's taxonomy of

educational objectives, remain elusive goals in the everyday world of classroom instruction. Affective instructional objectives are virtually ignored. When we look at our evaluative measures can we really say *what* they are measuring and whether it is related to teaching/learning, assuming that we have settled on a definition of learning?

There is the possibility that student evaluations may shape university teaching in the way that the Nielsen ratings influence what we see on our TV screens. Unfortunately, there is a negative correlation between quality and popularity according to many TV analysts. University teaching could become the science of market analysis and the art of entertainment in order to avoid students flipping their dials in search of something that entertains, titillates or at least is not "boring". The populist market mentality which drives some of the usage of teaching evaluations is a potential threat to the educative process. Education cannot be sold like a commercial product. Teachers facilitate learning rather than sell it. Many teachers have experienced the difficulty of students who are unable to

understand in spite of herculean efforts by the teacher. When the student is ready ideas which were previously opaque become clear. For example, the central concept of the sampling distribution of a statistic can be explained ad nauseum in various ways, however the student may not understand and finds inferential statistics incomprehensible. One day the realization occurs that the mean of all the sample means is the distribution mean. The light goes on and understanding occurs. In everyday life we often experience new understandings which lead us to realize that our previous understandings were partial. This aspect of the learning process defies a priori pedagogical engineering, no matter how sophisticated. Unpredictability is intrinsic to the ways in which each person learns. Popular teachers are not necessarily good teachers although they may be good entertainers and have high-level interpersonal skills. The populist element of student evaluations of teaching could unnecessarily politicize education as class evaluations turn into polls which dictate the curriculum menus which instructors will serve to future classes. Giving students

what they like, educationally, is not always a sound policy.

To return to a point I made earlier about ideas being contextualized emotionally as well as in other ways. Most undergraduate students have fairly naive natural attitudes based upon their educational conditioning into a natural science world-view. Discussion of the foundations and defensibility of those views, and alternatives, often induces anxiety and possibly defensiveness. Typically in a large undergraduate class I have found that one group (no more than one-third) find the discussion of the foundations of human knowing to be vitally engaging while another one-third are indifferent and the remainder defensive and hostile. Exposure to ideas which have implications for change in current world-views is threatening to many people.

Conflict can occur as a result of these encounters. However, conflict can be a sign of an alive relationship whereas the complete absence of conflict can be a sign of deadness. What is most important is not the elimination of conflict but how we respond to it.

Lest I be misunderstood I would like to acknowledge that student evaluations of professorial teaching do provide a partial picture of the ways in which students perceive and experience their teachers. Such data can be a valuable source of feedback for instructors in terms of their pedagogical goals and the methods they choose to achieve them. However, to use these data as a basis for making judgments about teaching competency is fraught with problems of validity, some of which I have discussed here. Recently, I met a student who told me that the attendance in the class he had just left was very low most of the term. However, almost everyone was present that day in order to "get even" with the professor through the course evaluations. I also bumped into a former local community college instructor who told me that his contract had not been renewed even though his superior told him that he was doing an excellent job. His student evaluations weren't good; it seems that he had asked students to go beyond the strict limitations of course material, so he "had to go" in much the same way that hockey coaches are fired when their teams are not winning and players are "unhappy" with the coach. PS My teaching evaluations this term are in the safe zone.□

Schulha calling Department of Athletics' signals

Dale Schulha will chair the Department of Athletics, effective 1 July.

"We think we've found an outstanding leader in Dale Schulha," RG Glassford, Dean of Physical Education and Recreation, told a news conference on 9 June.

Schulha, currently Director of Marketing and Athletics, succeeds Bob Steadward who will take study leave before returning to the department next summer.

The new chairman was a senior executive with Universiade '83 and is the former head of marketing for the Alberta Sport Council. He combined studies and football here

in the late 1960s and early 1970s.

Schulha says he wants to eliminate the financial question marks hovering over certain programs and expand the department's marketing activities, especially in the corporate sector.

In commenting that the Department of Athletics enjoys a high public relations profile, Schulha said more attention will be paid to talking with children in elementary schools and encouraging them to start thinking about coming to the University of Alberta to study and to try out for a position as a Golden Bear or Panda athlete.□

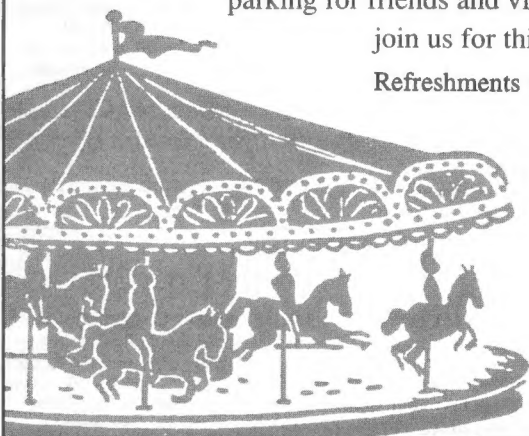
A Celebration

OF MYER HOROWITZ'S PRESIDENCY

Everyone is invited to an afternoon reception on Friday, 16 June, to honor Myer Horowitz. The reception will be held in the Arts Court from 3 to 5 pm and it will give everyone an opportunity to meet with Dr and Mrs Horowitz. A retrospective exhibit of the Horowitz years will also be on display in the Galleria connecting the Tory and Business Buildings.

University buildings will close at 3 pm on 16 June and there will be free parking for friends and visitors who join us for this celebration.

Refreshments will be served.



Whole new ballgame awaits University's retiring staff

The annual Board-of-Governors-hosted function honoring staff who have retired or are about to retire was held on 24 May at the Faculty Club.

The guests of honor and their spouses heard President Myer Horowitz remark that he enjoyed walking around before the dinner and finding out what people planned to do after retirement. "I noted that you were all smiling," he said.

"We try hard to develop a sense of one community; that is what tonight is all about . . . a University family . . . a large number of academics and many members of our non-academic staff . . . that's what makes the University what it is."

With summer here and the open road beckoning, Dr Horowitz was moved to wax poetic:

"Retired University staff never die
They just get in their convertibles
and fly

No job, no problems, just fun!"

Biographical sketches of the 65 retiring staff follow.

Wesley Adams

Wesley Adams has been a member of the Family Studies Department since he came to the University in 1971. Promoted to full Professor in 1978, he served as Acting Head of the Department in 1976-77 and as Chair in 1981-82. Dr Adams' research interests were in the area of sexuality and, more recently, he inquired into the interaction processes of intact two-children families. He has interests in family counselling and has been a practising family counselor for most of his years in Edmonton. Teaching has also been a major part of his Departmental contribution. His work on committees in the Faculty as well as in the Department will be missed.

Cornelia Arends

Cora Arends joined the University in 1948 and served as Secretary in the Faculty of Extension until 1964 when she transferred to the President's Office where she worked until 1970. From 1970 to 1980 she was employed in Community Development. Cora was appointed Administrative Officer in the Cardiac Care Evaluation department in 1980 and served in that department until 1982. From 1982 until her retirement this year Cora worked as Executive Secretary in Planning and Development. After 40 years of service to the University, Cora is now looking forward to travelling, cycling, and redecorating her home.

Doris Badir

Doris Badir first came to the University of Alberta in 1967. She taught as a sessional lecturer in the Department of Sociology and in the School of Household Economics until 1971 when she joined the School's newly formed Division of Family Studies. She was Department Chair from 1975-76, becoming Dean of the newly named Faculty of Home Economics in 1976, and held that position until 1986 when she joined the President's Office as Adviser on Employment Equity.

Professor Badir has been active in the development of the Students' Union and Community Day Care Centre, and the Academic Women's Association, and has contributed to General Faculties Council, the Planning and Priorities Committee, the Facilities Development Committee and several ad hoc committees. Upon retirement, Professor Badir has agreed to work for one year on a contract basis in the Employment Equity position.

Roy T Berg

Roy T Berg joined the University of Alberta as a lecturer in Agriculture in 1950. In the subsequent 39 years he built a reputation as a fearless critic of conservative thought in teaching and research at the University and in agricultural practice outside. He is particularly well known for his pioneering of cross-breeding in the beef industry, backed by his work at the University ranch at Kinsella. Dr Berg has received innumerable academic honors and awards over the years, but the recognition of his contributions to his beloved beef industry has probably brought him the greatest satisfaction. He was recently inducted into the International Stockman's Hall of Fame in Texas, and the Alberta Agriculture Hall of Fame.

Alfred Berger

Alfred Berger was born and educated in Poland. In 1939 he and his family moved to Germany. Married in 1956, he and his wife immigrated to Canada in 1959, and his first job was with Burns and Dutton of Edmonton. In May 1960 he started working at the University of Alberta in the Physical Plant Projects Department. Later Alfred transferred to the Utilities Department where he became an operator with Chemical Waste Disposal. He retired in March 1988.

Hubert Bianchi

Hubert Bianchi began employment with our University in 1968 and over the past 20 years has worked with Scheduled Distribution, Building Services and the Vehicle Pool Division. While with the Vehicle Pool Division, Bert served as both Partsman and Vehicle Operator for seven years until his retirement in September 1988. In all positions Bert occupied, he was dedicated to the fulfillment of his

responsibilities. His "zest for living" is infectious and is enjoyed by the many staff members and general public with whom he has been in contact.

Joyce Boorman

Joyce Boorman retires with a record of 22 years of outstanding contribution to children's dance through her University of Alberta appointment in Physical Education and Sports Studies. She is perhaps best known for her work with the Alberta Children's Creative Dance Theatre (ACCDT) which she founded in 1968 and has directed for the past 21 years. Joyce has also contributed to dance and movement education through her work with local, provincial, national and international organizations. She was awarded the Queen's Silver Jubilee Medal (1978), The Tait MacKenzie Medallion (1978), The Alberta Award of Excellence (1978), and the CAHPER Honour Award (1984). Dr Boorman's commitment to children's dance has gained her international recognition and in turn has provided our University with an international profile in this area.

Berthe Brault

Berthe Brault joined the Public Relations Office in 1973 as a junior clerk to maintain the University's information files. She planned to work for only a few months, however, this "temporary" job turned out to be much more enjoyable than she had anticipated. Berthe went on to serve as campus and farm tour guide; her position was reclassified to Public Relations/Publications Clerk, and in 1978 she became responsible for FOLIO advertising requests. Because of her outgoing personality, Berthe met many interesting people while working in the Office of Public Affairs. She is looking forward to her retirement when she can have more time for travelling, reading, and doing volunteer work.

Jean-Claude Brunel

Jean-Claude Brunel joined the Department of Physics in 1963 as an electron microscope technician. He eventually became Chief Electron Microscope Technician responsible for all aspects of the Electron Microscope Lab. His knowledge and experience, together with a high degree of natural skill, permitted him to make a unique contribution to the Department's experimental programs. A conscientious and dedicated employee, Jean-Claude has served the University for over 25 years. We wish him a happy retirement.

John Carnegie

John (Jack) Carnegie joined the University's Purchasing department as a vehicle operator in 1972, then transferred to become a shipping and receiving clerk in 1980. He returned to being a Vehicle Operator in 1985. Jack, who served as an officer steward in the

Navy during World War Two, is quite a globetrotter having visited the Orient, Europe, and Russia. He and his wife plan to visit the British Isles, especially Scotland, in July of this year.

Peter Chelak

Peter Chelak joined the Office of the Comptroller in 1969 as the Accounts Payable Supervisor. In 1971 Peter was very much involved in implementing a new computer-based accounts payable system, which ultimately resulted in a much more productive and timely payment of the University's general expenses. He was always known for his quiet efficiency.

Bob C Cohoon

Bob Cohoon was appointed Associate Professor in the Faculty of Business in 1971, after having received his MBA (1967) from the University of California at Berkeley. In 1976 his position was reclassified to Faculty Service Officer III. Bob provided a valuable contribution in the area of information systems and computing. He has also been very effective as an adviser to students, a role that he thoroughly enjoyed. Bob has served on several University committees including the Committee on Admissions and Transfers and the Library Committee.

George Cunningham

George Cunningham started working at the Students' Union in June 1979 as the custodial foreman. He was promoted to assistant manager of building operations in 1981 and then to Manager of Facilities in 1983. George could always be depended on to do an excellent job and was able to motivate his staff to do the same. All his colleagues at the Students' Union and in the University community wish George and Norma much health and happiness in their retirement when George plans to continue enjoying golfing, curling, and cheering on the Edmonton Oilers.

Lidy Damen

Lidy Damen began working as a food service assistant in the Chemistry lunch room of Housing and Food Services in 1973. In September 1983 Lidy was reclassified to a Food Service Worker I and she continued to work in the same lunchroom until her retirement. Her hard work and dedication were appreciated.

Myrtle Deering

Myrtle Deering joined the staff of the University of Alberta Library System in 1975 in the H.T. Coultts Library. She started in the Circulation Department as a library clerk II. At the time of her retirement in 1988 Myrtle had worked her way to a Library Assistant II position in the Technical Services Area. Mrs Deering has moved to Vancouver and the staff of the Library System wish her a long, healthy and happy retirement.

Ivan Defaveri

Ivan DeFaveri obtained his BA, teaching certificate, and MEd from the University of British Columbia. In 1966, Ivan began his doctoral studies in philosophy of education at the University of California, Berkeley and six years later was awarded his PhD. In 1969, Ivan joined the faculty of our University in the Department of Educational Foundations. He was promoted to Associate Professor in 1974. After retirement in June, Dr DeFaveri hopes to watch the eagles on Salt Spring Island.

Erwin Diener

Erwin Diener received his PhD from the University of Zurich in 1963. During the following six years in Melbourne, Australia his work earned international attention, particularly with respect to his discovery of how to induce and regulate immunological tolerance *in vitro*.

Dr Diener arrived at the University of Alberta in 1970, assuming the codirectorship of the MRC Transplantation Unit. In 1973 he became the founding Chairman of the Department of Immunology and from 1977 to 1987 he headed the MRC Group on Immunoregulation. In that time Dr Diener continued his internationally-known work on immunological tolerance, and also built what is considered to be a first-rate Department of Immunology. Even as he retires he has ongoing projects involving "magic bullets" which show great promise for cancer therapy and bone marrow transplantation. He intends to keep abreast of these projects while pursuing his hobbies of philosophy, art and amateur astronomy on the sunshine coast with his artist wife, Eva.

Dr Diener leaves behind the rich legacy that he has created at our University during two decades of chairmanship and internationally prominent research.

Michael S Dixon

Michael S Dixon was Director of the Provincial Laboratory of Public Health and Professor of Medical Microbiology from 1967 until last summer. Born in Britain, he graduated in medicine from the University of Wales, and later directed a public health laboratory in Ipswich, until moving to Canada in 1966.

Dr Dixon has been Chairman of the Federal Government's National Advisory Committee on Immunization since 1972. He has also served as Chair of the MRC Grants Committee in Microbiology and Infectious Diseases and as President of the Canadian Association of Medical Microbiologists. He remains active in his field and is the current President of the Canadian Association of Clinical Microbiology and Infectious Diseases.

Peter Dranchuk

Peter Dranchuk was born in the western Ukraine and came to Canada with his family at the age of two. He received his formal training in petroleum engineering at the University of Alberta and Stanford University. In 1953 he was appointed to the teaching staff of our University as a lecturer in petroleum engineering. Professor Dranchuk's research interests covered a broad spectrum of topics in petroleum engineering, energy, and

environment. His teaching responsibilities included properties of petroleum, drilling fluids, reservoir fluids, drilling, production, logging, natural gas engineering, thermodynamics, and matters dealing with the environment. Professor Dranchuk retired in 1988 after serving the University for 35 years.

Audrey Eikeland

Audrey Eikeland received her BA (Honors) from our University and her AMLS from Michigan University. Following professional experience as a cataloguer and documents librarian at the University of Michigan Law Library in Ann Arbor and an indexer of documents at the United Nations Library in New York, Ms Eikeland joined our University Library, Cataloguing Division, in 1965. She was promoted to librarian II in 1967, and in 1982 Ms Eikeland transferred to the Weir Memorial Law Library as a reference librarian and also served as the Administrative Librarian. In the latter capacity she undertook, amongst other responsibilities, the organization of a major move of the collection. Ms Eikeland will be retiring in July and her colleagues wish her a happy and satisfying retirement.

Irene Fissenwert

Irene Fissenwert joined the staff of the University of Alberta in 1969 working in Housing and Food Services. She worked in the lunchroom in Lister Hall until 1977 when she transferred to the Cameron Library and assumed the position of Library Clerk I. Irene retired in November 1988 and hopes to do a lot of travelling during her retirement.

James E Gallagher

James E Gallagher graduated from the University of Alberta in 1956 with a BEd in Industrial Arts, a senior specialist certificate in woodworking, and a variety of athletic and service awards. He also holds a journeyman certificate in carpentry and joinery. He received his MEd degree from this University in 1964, and an EdD degree from the University of Illinois in 1970.

Dr Gallagher joined the staff of our University in 1963 as an assistant professor of industrial and vocational education, later reaching the rank of full Professor. Dr Gallagher served as chair of the Department from 1970 to 1975. Upon his early retirement in 1988 he had served the University for some 25 years, and the significant contributions he made will long be remembered by students and colleagues.

Elizabeth Graham

Betty Graham joined the department of Elementary Education in 1968 as administrative assistant and served as Administrative Officer from 1969 on. A graduate of this University, she earned a BEd and MEd degree in Secondary Education (business education). Betty was an active educator throughout her university career. She taught business education courses for the department of Secondary Education and served as editor for the Alberta Teachers' Association Business Education Council Journal. She also coauthored several typing textbooks

used in secondary education classes and business college programs across Canada. Betty retired in 1988 and will be travelling to various parts of the world.

Dalton Grant

Dalton Grant received a Bachelor of Theology from the Pacific Bible College in Fresno, California in 1959, and served as the Minister for the Pearly Grove Baptist Church in California for eight years. In 1967 he became the Minister for the Shilo Baptist Church in Edmonton.

Dalton joined Building Services in March 1981 as a Supervisor on the afternoon shift in Maintenance Area 21 (Physical Education, University Hall, Administration Building, and Printing Services). His past experience and counselling abilities made him a very popular supervisor. Dalton received several letters for exemplary attendance during his employment with us, and worked one year past normal retirement age. He retired in 1988. We wish him and his wife, Ruby, a happy retirement.

Ram K Gupta

Ram Gupta joined the faculty of Educational Psychology in 1965. Dr Gupta's specialization was in developing tests and inventories of attitudes, concerns and values of youth, and he introduced new courses including non-parametric statistics, psychology of yoga, and alcohol and drug abuse prevention education. Dr Gupta provided consultation for several years to the Youth Research Center (now Search Institute) of Minneapolis in data analyses. His civic contributions include founding the Hindu Society of Alberta, and being Secretary of Alberta Cultural Heritage Council and Chairman, Ugandan Committee of Edmonton.

Kåre Hellum

Kåre Hellum was born in Larvik, Norway and immigrated to Canada in 1955. He obtained his BSc in Forestry at the University of British Columbia (1959) and gained his MSc and PhD from the University of Michigan. Dr Hellum joined our University in 1976. Since then the majority of his forestry work experience has been with the Canadian and Alberta Forest Services as a research scientist and head of the silvicultural section. In recent years Kåre became more involved in international consulting on silviculture with CIDA and FAO, in remote regions of Vietnam and Bhutan. Such involvements led him to accept a two-year contract with the Food and Agriculture Organization in Thimphu, Bhutan where he is studying the problems associated with regeneration of native conifers and oaks.

Alex Herman

Alex Herman joined the University of Alberta Hospital in 1969 as caretaker assigned to the Clinical Sciences Building. In 1973, when Building Services took over the responsibility of servicing the building, Alex transferred to the University, becoming a building service worker II. He was promoted to Building Service Worker III in March 1977 and received letters of commendation for

good attendance in 1983, 1984 and 1987. Alex was assigned to the Biological Sciences complex where he remained until his retirement this year.

Anne Hopp

Anne Hopp came to the Faculty of Law as a stenographer in 1968. She was subsequently promoted to administrative assistant and then Admissions Officer. Anne acted as liaison between faculty and students and was administratively responsible for all student-related activities. In the 1970s she was "Earthmother" to the many students who consulted her on personal problems. Through the years, Anne developed an interest in the historical aspects, anecdotes and memorabilia of the Faculty. She was editor of several editions of *Without Prejudice*, the Faculty magazine.

Frederick George Hulmes

Frederick George Hulmes joined the Department of Political Science in 1965. He received his BA, MA, and PhD from this University and also studied at the University of Calgary, Carleton University and the London School of Economics.

Professor Hulmes is a dedicated teacher and an acknowledged expert on Canadian and Alberta politics. He is an active member of the Vice-President's (Research) Western Canadiana Publications Projects Committee, a former BA Honors adviser for the Department and a frequent commentator on contemporary public affairs. His broad knowledge will be missed by his colleagues and his students.

Doreen Jackson

Doreen Jackson was born and educated in Northern Ireland and came with her family to Canada in 1967. She joined the staff of the Provincial Laboratory that year as a bookkeeper and soon advanced through the ranks to her present position of Administrative Assistant. She has been a loyal and valued staff member for 22 years. Her sunny disposition will be missed by a great many of her University colleagues. Doreen decided to take early retirement to enjoy travelling with her husband Clem.

Margaret Jendyk

Margaret Jendyk joined the University of Alberta in 1967 as an Assistant Professor of Drama and Secondary Education, after many years in the drama/education field in the United Kingdom, the United States and Canada. Promoted Associate Professor in 1972, Margaret served several times as Assistant Dean of the Faculty of Arts. In the Department of Drama, as Coordinator of the BA Division, she administered the revision and restructuring of the four-year BA General Degree program in Drama. She was involved extensively in children's theatre and is the editor of *Children's Plays*, which includes a play of her own.

An active member of many University committees, Margaret has also served as Director of Drama Workshops at the Citadel Theatre. She was Program Chair for an intensive one-month Summer

Program, offered jointly by Drama and Secondary Education, which included distinguished visiting speakers from across Canada, the United States, and the United Kingdom.

Badrudin Karsan

Badrudin Karsan joined our University's Parking Services in 1982. During his time here he worked the day shift and then later the evening shift as a parking booth attendant, mostly in the E Zone kiosk. A very conscientious worker, Mr Karsan was well liked by his fellow employees and by faculty, staff and students who parked in his area.

Joan Lake

Joan Lake joined the Printing Services Department as a bindery person in 1967. Promoted to Supervisor of Bindery I in 1986, she retired from this position in 1988, after 21 years of service to our University. Mrs Lake plans to take up golfing on her retirement; her colleagues at Printing Services wish Joan a happy and healthy future.

Louis Lanier

Lou Lanier joined our University in 1970 as Associate Professor in the then Department of Recreation Administration after a university education in physical education and resource development. He subsequently combined his expertise in these two areas in his teaching and research. During his association with the University, he focused predominantly on outdoor recreation involving the resource environment as well as outdoor programming, counselling, outdoor skills and leadership. Dr Lanier retired from the Department of Recreation and Leisure Studies in June 1988.

Arleigh Laycock

Arleigh Laycock joined the Department of Geography in 1955, and in 1967 was promoted to Professor. He served as Director of the Water Resources Centre from 1977 to 1984. Dr Laycock arranged for Atlas of Alberta program funding and served as one of the editors. He has conducted research on water transfer, land and water use, air photo and remote sensing imagery use. He has published over 65 professional reports and articles, and has also served as a member or president of water resources associations and committees.

Sofina Lazina

Sofina Lazina came to Canada from Germany 15 years ago. Her first job in Canada was with the Good Samaritan Hospital, where she worked for four years before joining our University's Building Services in 1981.

Sofina started her employment with us as Building Service Worker I in the Earth Sciences Building and soon became a very popular employee. Her supervisor continually rated her highly, and said she was always willing to do that extra little bit. She also received letters of commendation for perfect attendance in 1983, 1984, and 1987.

At her retirement in February 1989,

students and professors gave her gifts and cards. We all wish Sofina a well-earned retirement with her family.

Barbara Leah

Barbara Leah, a native Edmontonian, received a BA from this University in 1955. Since then, apart from two years overseas, she has worked continuously in University offices, including those of the Registrar, Dean of Women, Faculty of Graduate Studies, and Faculty of Arts — in the latter as Secretary to the Dean for the past 16 years. Barbara enjoys reading, photography, and classical music. For five years she was secretary of the Edmonton Chamber Music Society. Now retired, Barbara has been enjoying "cooking, concerts, and courses," and looks forward to volunteer work and gardening.

Clement Leibovitz

Clement Leibovitz, born in Egypt in 1923, left school at the age of 12. After interruptions totaling 20 years, he resumed studying and earned a BSc, MSc, and PhD from Technion, Israel in Theoretical Physics. He joined our University's Physics Department as a postdoctoral fellow in 1969. In 1972, Dr Leibovitz joined Computing Services (now University Computing Systems) and worked as the leader of the Numerical Computation Section until his retirement in 1988. He is the author of *Memoirs of God* and is now working on his second book, a history of the period between the two World Wars focusing on the causes of World War Two. Dr Leibovitz has also resumed research in physics with a publication in "Astrophysics and Space Science".

Shirley Main

Shirley Main started her University career with radio broadcasting service CKUA when the Western Board of Music, part of the University's Music Department, shared a Nissen hut with CKUA. Shirley programmed "Music Hour" on CKUA, one of Alberta's original radio music programs, and purchased records for the Music Department's library. When the Western Board of Music required a secretary, Shirley was right there. She worked for, and directed, the Western Board of Music for over 20 years, opting for early retirement to pursue her passion for golf.

Stephen W Mendryk

Stephen W Mendryk, a graduate of the Universities of Alberta, California, and Oregon, joined our University in 1955 as a lecturer in physical education. In the following years he served in many capacities including Director of Athletics, Chair of the Graduate Committee of the Department of Physical Education and supervisor of numerous graduate students. Keenly interested in sports injuries, Dr Mendryk has represented the University of Alberta both nationally and internationally on many committees. He was coordinator of the athletic training and conditioning route for the Bachelor of Physical Education degree. Steve's extensive and varied contributions to the University since 1955 will be deeply missed.

Albert Meyers

Albert Meyers was born in Brooklyn, New York and completed his schooling there. He taught graphic arts in Brownsville, Brooklyn for about 10 years before coming to Alberta. Dr Meyers joined the faculty of our University in 1965 as an assistant professor of industrial and vocational education. He holds two degrees from City College of New York and received his PhD from New York University in 1967. He was promoted to full Professor in 1986.

Dr Meyers has served this University for some 24 years. His interests included the establishment of an information retrieval capacity in the University. The contributions he made will long be remembered by former students and colleagues. In his retirement he plans to pursue the refinement of some conceptual work on educational systems.

Walter Moser

Walter Moser, a native Tyrolean, began his career as a school teacher in Austria and in 1965 obtained his PhD from the University of Innsbruck where he spent four years as an assistant professor. In 1979 Dr Moser joined the Department of Botany as Professor of Botany and Director of the Phytotron. During his tenure at our University Dr Moser has served well the cause of mountain ecology and education. He is very active as a member of several important governing bodies in Alpine ecology, including the International Mountain Society, Commission on Mountain Geocology, the Alberta Environment Science Advisory Council and UNESCO Biosphere committee. Dr Moser is looking forward to an active retirement, working at his "country estate" in Tofield.

Lilly Mueller

Lilly Mueller joined the Provincial Laboratory of Public Health in 1955, and three years later was responsible for their small Enteric Section. Under her guidance it has grown to its present size, developing into a well-recognized authority on *Enterobacteriaceae*. During her 34 years at the Laboratory, Miss Mueller has seen service with three directors. Her colleagues wish her well in her retirement. May she have many years to enjoy her well-earned leisure.

Patric Murphy

Patric Murphy worked with Parking Services for ten years before his retirement in 1988. Originally from Ireland, at times a hint of his lilting Irish brogue could be heard as he explained to patrons the operation of his lot. Mr Murphy will probably be best remembered by his friends at Parking for his love of horse racing and his dry sense of humor.

Moyna Parker

Moyna Parker joined the Department of Physical Therapy in 1955, remaining until 1961 when she left to establish a diploma program in physiotherapy at Christian Medical College in Vellore, India. In 1967 Mrs Parker returned to our University and became involved in the development of the three-year diploma program and later the four-year degree program in physical therapy. She has been actively involved in the Department in teaching, primarily in the respiratory area, and administration, and has been mainly responsible for the undergraduate admissions since 1976. M Parker has been one of the most respected physiotherapists in the community and has had a very positive influence on her colleagues and many students.



Mabel Potter

Mabel Potter joined our University as secretary to the Dean of Nursing in 1975, a year after graduating from this University with a BA. She was appointed executive secretary to the Department of Classics in December 1977 and was later promoted to Administrative Assistant in 1980. Mabel served in that capacity until last December. She is remembered as a person of integrity who kept a tight rein on departmental finances, a woman of wit and humor and a dedicated globetrotter.

Blake Pratt

Blake Pratt, resident of Edmonton since 1944, received his licence to practice architecture in 1961. He went into private practice until 1969, and in January 1970 joined our University's Campus Development Office as an assistant project officer. Over the years Blake's promotions took him to project officer, senior planning officer, and then to Acting Director of Planning and Development in September 1988. He and his wife, Margaret, have purchased a residence in the Comox/Courtenay area on Vancouver Island and all his colleagues wish them a very happy retirement.

Peter Reukema

Peter Reukema was born in Holland and came to Canada in 1955. In 1981 he began his employment with our University as an Office Equipment Repair Technician in the Department of Technical Services. In addition to servicing dictation equipment, Mr Reukema also took care of microfilming equipment and calculators. He retired last fall and his colleagues wish him an enjoyable retirement.

Alxbeta Sabol

Alxbeta (Edith) Sabol joined the staff of the University of Alberta Library in February 1976. Her initial appointment was in the Humanities and Social Sciences Library. Mrs Sabol transferred to the Cataloguing Department in the Cameron Library in 1984 and then in 1986 to the Database Management Department where she worked until her retirement in 1988. Her colleagues in the Library will remember her bright cheerful smile, and they wish her a long and healthy retirement.

Hedy Schuetz

Hedy Schuetz began with the General Services Building lunchroom in March 1979 as a Food Service Worker I. She then relocated to the Education lunchroom later in the same year. Hedy transferred to the Physical Education lunchroom in September 1988. Hedy is wished a very happy retirement by all her co-workers.

Gerald Scott

Gerald Scott originally came to our University for one year as a teaching fellow in Calgary in 1964. He came back to Edmonton in 1973 and served as

Chief of Surgery at the Charles Camsell Hospital from 1973 to 1978. Dr Scott's area of research was on the gall bladder. In 1978 he became Director of the Surgical Medical Research Institute and Director of the Division of Experimental Surgery. He served in both those directorships for nine years. He is presently Director of General Surgery at the Charles Camsell Hospital and has also gone into private practice.

John Seger

John Seger joined the faculty of our University as an associate professor in 1965, after completing his graduate studies at the University of Oregon. He left our University in January 1967 to join the Northwest Regional Education Laboratory in Portland, Oregon. After four years as Director of Research and Evaluation at that institution Dr Seger returned to our University in September 1971 as a full Professor in the Faculty of Education. He served as Chair of the Department of Educational Administration from 1977 to 1982. Dr and Mrs Seger will be living in White Rock, British Columbia.

Murray Smith

Murray Smith of the Faculty of Physical Education and Recreation has been an elite coach in swimming and football. Dr Smith, who studied in London, England, Oxford University and UCLA, received his PhD from our University. He served as Associate Dean; Department Chair; vice-president, World University Games; supervisor of aquatics; and chair of sports for the Commonwealth Games. He also served a five-year term as national Chair, Safety Services, for the Canadian Red Cross. Dr Smith chaired, and served as adviser, to innumerable doctoral and masters theses, and served on international, national, university and local committees. His publications have assisted and continue to assist men and women to be better teachers, coaches, and educators.

Paul Soulodre

Paul Soulodre was born in Manitoba and came to Alberta in 1948 to work for the Bank of Montreal. He spent some 25 years as a merchant, a restaurateur, and a bookkeeper in the Peace River region where he and his wife, Rita, raised a family of eight children. In 1972 he moved to Edmonton and worked in the restaurant and real estate business. Three years before retirement, Paul was employed by the University of Alberta as the driver of the shuttle bus that operates between Faculté Saint-Jean and the main campus.

Elsie Steinke

Elsie Steinke joined the staff of the Provincial Laboratory of Public Health as laboratory assistant in 1975. She worked in the general office and eventually attained the classification Laboratory Assistant III. Elsie was responsible for the supervision of kit assembly for the transportation of pathogenic material to the Laboratory. A loyal employee, she took early retirement in 1988 to devote herself to caring for her family.

Lloyd Stodgell

Lloyd Stodgell joined our University in 1963 as Office Supervisor in the electronics division of Technical Services. Over the years he progressively took on the record-keeping, billing and accounting activities for an increasing number of divisions. With the inauguration of the equipment inventory in 1973, Lloyd became responsible for ensuring that all equipment on campus was inventoried. His inventory duties continued to expand, and in 1976 he took over the entire responsibility for the inventory program. Lloyd will be taking early retirement in June.

Vera Ternovoy

Vera Ternovoy was born in Poland and came to Canada as a small child. In the process of growing up in Alberta she became thoroughly familiar with farming. She trained as a seamstress and arrived in Edmonton in 1967 where she worked for a time in the garment industry. Vera joined Building Services in 1968 as one of our very first "Lady Caretakers": at that time there were only eight of them; today there are 215. Vera has worked in numerous buildings on campus including Maintenance Area 21, where she was responsible for the President's Office in University Hall. She is looking forward to retirement so that she can relax and enjoy her family.

Pauline Thivierge

Pauline Thivierge joined the staff of the Library System in 1966. Pauline began her career in the Book Order department, now known as Bibliographic Verifications. She devoted 23 years of service to this division until her retirement in March 1989. Pauline's knowledge and experience will be greatly missed, and the Library staff wish her a long and healthy retirement.

John Urschel

John Urschel graduated in Medicine from the University of Western Ontario and moved to Edmonton in 1957 where he worked in general practice for five years. He then trained in psychiatry and combined this with physiological research which earned him an MSc and subsequently a PhD from London University. Dr Urschel returned to serve on the staff of the University of Alberta Hospitals until he took early retirement in 1988 to work in Third World countries as a general practitioner. Held in high esteem, Dr Urschel will be wished well wherever he goes by his countless colleagues, friends and patients.

Alauddin Visram

Alauddin Visram, originally from Tanzania, joined our University's Parking Services in 1981. A quiet, serious man, Mr Visram took great pride in his family and his work. He would often distribute fruit and homemade treats to his co-workers. For these and many other kindnesses, Mr Visram will always be remembered with much fondness by the Parking Services staff.

Marrigje Wachter

Marrigje Wachter joined our University's Housing and Food Services in 1979. She worked in Lister Hall until 1980 when she was transferred to Faculté Saint-Jean. The students in residence there nominated Mrs Wachter as employee of the month — they felt she did "an excellent job and was always ready to do a little extra." In 1982 Mrs Wachter was promoted to Lead Hand in Pembina Hall. In 1984 she was transferred to Lister Hall, from which she retired in 1988.

Derek Wilson

Derek Wilson joined our University in 1966 as an assistant professor in the Department of Secondary Education. In his first year he was asked to teach a course in the Department of Geology and in 1968 he received a joint appointment in the Department of Geology. In 1969 he moved to the Department of Elementary Education, retaining his association with Geology. He will be remembered for his outstanding teaching and his continuing interest in undergraduate students.

Stanley Wychowaniek

Stanley Wychowaniek was born in Poland and completed his education there. The end of World War Two found Stan in Germany, and from 1945 to 1956 he served in the US Army; his rank at the time of his discharge was that of Sergeant. He arrived in Canada in 1956, and for several years worked as a backhoe operator. In 1972 Stan joined Building Services as building service worker II, and was soon promoted to building service worker III because of his good performance and reputation. Stan was appointed to Supervisor in 1979, and continued to serve us well. We wish him and his wife, Paula, a happy retirement.

Hertha Yaroschuk

Hertha Yaroschuk served three Faculties of the University for 18 years: the Faculty of Home Economics, the Faculty of Engineering's Department of Civil Engineering, and for the past four years the Faculty of Nursing. At retirement, she held the position of Administrative Professional Officer in the Faculty of Nursing. Colleagues remember in particular the concern she demonstrated for students and faculty and her efficient and competent approach to her work. Hertha hopes to do more travelling and to enjoy more leisure time.

Ernest Young

Ernest Young was born in London, England and immigrated to Canada in 1966. Interested both in art and the sciences in a practical way, Mr Young's life became a course through various factories engaged in scientific instrument making and precision engineering. In Canada he worked at the Hinton Pulp Mill during one winter, then joined the Chemistry Department as Machinist Technician. Books, music, gardening and photography take up most of his leisure time, and there's also part-time work at the Youth Emergency Shelter. Retirement for Mr Young will certainly not be boring, he says.

Apple Canada, University join forces for new program

Apple Canada and the University of Alberta have agreed to introduce a program on campus—the Apple Research Partnership Program (ARPP)—to provide resource personnel who can assist the academic community with the development of research applications.

Assistance is in the form of a well-equipped resource library staffed by five part-time student consultants, who can provide researchers with literacy training, programming advice, prototyping, and contract programming referrals.

The typical researcher has many ideas on what new computer applications might be needed to enhance research, but may not have anyone to help with the rationalization and development of these projects. With the initial design of a program being so critical, it is important that properly trained staff be involved. While the ARPP consultants do not have the time to write programs, they do have the time to track down existing research across Canada, to help locate appropriate programming contractors, and to act as a liaison between the researcher and the program developers.

The ARPP Lab, located in 4-29 Business Building (492-2165), has numerous development tools and software that can be used to assist researchers. With state-of-the-art

hardware and software, the student consultants can help debug the client's program, or demonstrate new (and possibly obscure) software that may be appropriate to the researcher's discipline. With electronic ties from the ARPP office to Apple Canada in Markham, Ontario, and to ARPP offices at other universities across Canada, additional resources can be viewed or downloaded over computer mail systems, or shipped via courier to campus for short-term inspection and trial use.

ARPP is starting its second year on the University of Alberta campus. The first year saw ARPP students assist in the development of highly specialized projects. Medical research has been advanced by the development of a graphical package that will help analyze spinal deformity. The Psychology Department now has a tool that provides templates for recording the results of experimentation, making it easier for researchers to formulate survey questions and then sample subjects through questionnaires built using general-purpose templates. Educational programs have been developed, providing different methods of computerized self-study.

An important part of the first year's operation was the development of Macintosh literacy across campus. While some departments are well-endowed

with computer equipment, others have not had the resources or focus to understand what computers can be used for within their discipline. ARPP students offer seminars and other literacy-based activities to apprise researchers of the benefits of computer-assisted research and give them the confidence to take that larger step.

Applications are now being accepted by Apple Canada from fourth-year or graduate students who would like to participate in this year's program. Applicants must have experience with programming the Macintosh; selection will take into account their communication skills and their overall knowledge of computer-based research applications. Since ARPP's potential clients cover the campus,

the team will be selected to provide a diverse representation. Each student will be required to work eight hours per week (this includes some fixed office hours).

Selected students will be provided with a short training course in Toronto, and remunerated via equipment gifts.

Deadline for applications is 9 September 1989. Interviews will be conducted from 12 to 15 September, and the successful candidates will be flown to Toronto for training the week of 22 September. Application forms are available at University Computing Systems' Client Services Centre, 302 General Services Building. The ARPP project leader on campus is George Carmichael. □

Stanley CT Clarke, 1912 - 1989

Stanley Clarke, Professor Emeritus, Department of Educational Psychology, died suddenly on 22 May. He had been in hospital for one week following a heart attack.

Dr Clarke graduated from the University of Alberta with degrees of BA, MA, and MEd, and later studied at Stanford University where he received his EdD. After completion of his doctorate, he was Acting Head of the Department of Educational Psychology at California State Polytechnic College. In 1950 he was appointed professor in the Department of Educational Psychology at the U of A. From 1959 to 1968, he was Executive Secretary to the Alberta Teachers' Association after which he returned to the U of A as Director of Special Sessions, a position he held until his retirement in 1977. Dr Clarke continued teaching and publishing after his retirement, and was engaged in several projects at the time of his death.

Dr Clarke was the recipient of a number of awards related to education, including the Kappan of the Year plaque from the University of Alberta chapter of Phi Delta Kappa, honorary life membership in the Canadian

Education Association, and the Canadian Teachers' Federation Special Recognition Award.

Throughout his career Stanley Clarke served on committees and organizations dealing with virtually every aspect of education. His presence will be greatly missed in the Faculty of Education. □

Canadian Federation of University Women meeting in Education Centre

The University Women's Club of Edmonton is hosting the conference and annual general meeting of the Canadian Federation of University Women.

Sessions will take place in the Education Centre from 15 to 18 June.

The theme of the conference is "Our health, our planet, our future stewardship of our earth: An environmental imperative".

About 200 delegates representing 129 member clubs across Canada will participate in the business and workshop sessions.

Speakers include Ken Simpson, senior vice-president of Operation and System Development, Alberta Special Waste Management Corporation; Joy Finlay, naturalist and educator; and Feral Temelli, Department of Foods and Nutrition, University of Alberta. □

Let's make one thing perfectly clear . . .

It will be remembered that the University had a bit of a situation on its hands when the blizzard hit and work day schedules went out the window. Some offices, indeed buildings, were closed. Others remained open but on a limited basis. If ever there was a campus case of catch-as-catch-can this was it.

In conjunction with the celebration of Myer Horowitz's presidency on the afternoon of Friday, 16 June, University *office* will close at 3 o'clock; University *buildings* will remain open as per usual.

See you in (the Arts) Court. □

Douglas Roche appointed Visiting Professor

Canada's Ambassador for Disarmament, Douglas Roche, has been appointed as a Visiting Professor in the Department of Political Science. Ambassador Roche begins his three-year term in September 1989.

He will teach "Canada's Role in Global Peace and Security", an undergraduate course which he initiated and developed. He will also be available to consult with students and act as a resource person.

He was appointed as Canada's first Ambassador for Disarmament in 1984 and four years later was elected Chair of the United

Nations' (UN) Disarmament Committee, the main UN body dealing with political and security issues. He steps down from the post this summer.

Ambassador Roche is the author of eight books, including *Justice Not Charity: A New Global Ethic for Canada*. His recent work, *United Nations, Divided World*, is a contemporary examination of the UN amidst the global crisis of the nuclear arms race and economic development.

The Member of Parliament for Edmonton Strathcona from 1972 to 1984, Ambassador Roche specialized in development and

disarmament matters. He continues to lecture extensively on these themes.

Ambassador Roche has served as President of the UN Association in Canada and in 1985 was elected an Honorary President of the World Federation of United Nations Associations, the first Canadian to be accorded this honor. He was International President of Parliamentarians for World Order, 1980-84.

St Stephen's College (Edmonton), Simon Fraser University and the University of Alberta have awarded honorary degrees to Ambassador Roche. □

Hazchem Group merits Alberta Environment Award

The Hazchem Group, an initiative of Margaret-Ann Armour, Lois Browne and Gordon Weir, is the recipient of the third annual

Alberta Environment Award in the education category.

The Hazchem Group of research chemists is led by Dr Armour, Faculty Service Officer, Department of Chemistry. It was formed in 1980 for the purpose of testing and developing environmentally safe methods for the disposal of hazardous chemicals. The Group's 1982 publication, "Hazardous Chemicals Information and Disposal Guide," is requested internationally and is now in its

third edition.

Another Hazchem Group publication is "Potentially Carcinogenic Chemicals Information and Disposal Guide."

The Hazchem Group is also the driving force behind the University of Alberta's reclamation of surplus chemicals program.

Dr Browne, a research associate in the Department of Chemistry, and Mr Weir, Coordinator, Division of Occupational Health and Safety, accepted the award. Environment Minister Ralph Klein presented awards in four categories at a luncheon at the Royal Glenora Club on 5 June. □

Robb appointed assistant editor of Folio

Michael Robb is *Folio's* new assistant editor.

Mr Robb joined the staff of the Office of Public Affairs on 12 June, a short while after completing his degree requirements in the University of Alberta's Canadian Studies program. He is also a graduate of Niagara College of Applied Arts and Technology.

Mr Robb gained reporting and editing experience on the *Onorway Tribune* and with Hub Publications in Hay River.

His responsibilities with *Folio* include writing, proofreading, layout and photography. □

Folio

Display Advertising

Folio is the official news publication of the University of Alberta, published every Thursday throughout the academic year; published biweekly during the summer. It has a regular distribution of 9,200 of which 8,500 copies are circulated to teaching and support staff, to graduate students and to other interested people on campus. The remaining copies are sent to provincial and municipal government personnel, news outlets, and businesses and people off-campus.

Sizes and rates

The basic unit size is 11 picas x 23 picas (3 13/16 x 1 13/16). The full page is divided into 10 such units, any combination of which is available at a cost of \$40 per unit (minimum 1 unit). Half page cost: \$200. One column cost \$100. There is a 25% discount for University departments. A 10% discount is offered for five or more consecutive insertions.

Other Specifications

Half-tones (100-line screen or less) are acceptable; no color or bleeds; Camera ready copy is necessary; there is a charge of 35c per word for typesetting, and \$7.50 for adjustment of design work.

Deadlines

Deadline for submission is 3 p.m. one week in advance of desired publication date. Acceptance of advertisements and positioning are at the discretion of the Editor. For more information, telephone (403) 492-2325 and ask about *Folio* display advertising, or write to:
Folio Display Advertising
Office of Public Affairs
423 Athabasca Hall
University of Alberta
Edmonton, Alberta T6C 2E8

'Safety Scribe' wins award of excellence

The newsletter "Safety Scribe" has been judged worthy of a Campus Safety Association Safety Newsletter Award of Excellence.

The award, in the form of a certificate, will be presented at the CSA award banquet on 12 July at Northern Arizona University, staff, Arizona.

"Safety Scribe" is published quarterly by the Division of Occupational Health and Safety. The editor is Gordon Weir. □

Exercise caution in and around main gym

The good news is that the floor of the main gym is being refinished. The bad news is that the concentrated fumes from stripper chemical vapors are a health hazard.

The Department of Physical Plant is making every effort to ensure the safety of building users. Refinishing is being done only at night, allowances are made for maximum air exhaust, the gym is sealed off so as to deter chemical vapors from entering other areas of the Van Vliet Centre and warning

signs have been posted throughout the work area.

The three-step process consists of floor stripping and sealing (11 to 15 June), line painting, bleacher repairs, logo displays (15 to 20 June) and refinishing (1 to 7 July).

"This will probably be the last time that the gym floor will be stripped to bare wood. When the project is finished, we will have a completely refurbished activity area," says John Barry, Director, Division of Support Services. □

Popularity of Summer Sports Camps knows no bounds

The summer of 1989 marks the 23rd year that the Department of Athletics is offering its Summer Sports Program for boys and girls eight to 19 years of age. The program has grown to accommodate more than 2,500 participants in as many as 18 different sports. Each camp is designed to provide the best available instruction in fundamentals, techniques and strategies.

The Department of Athletics prides itself on its philosophy of "teaching excellence" while fostering sportsmanship and cooperation. The program relies on quality instruction by current and former Golden Bear and Panda and national and international coaches and athletes.

This year's program gets under way the week of 26 June. It consists of wheelchair basketball

and track and field, tennis, and powerskating along with the traditional camps involving sports in which University of Alberta athletes compete at the intercollegiate level (basketball, volleyball, football, and hockey). In addition, the Summer Sports Program, in cooperation with the Faculty of Extension, will fuel the athletics session of Summer Youth University, a two-week introduction to a number of University disciplines.

Persons interested in the Summer Sports Program are advised to apply as soon as possible since applications are accepted on a first-come, first-served basis. (Some camps have had to adopt enrollment quotas to ensure an optimal learning experience for all participants.) For more information, call 492-3534 or drop by P-220 Van Vliet Centre. □



The power goes on at Steve Fonyo Track.

Canadian astronaut to discuss health and fitness training

Robert Thirsk, a Canadian astronaut in training, will give a talk on "Health and Fitness Training of Astronauts" on 29 June. Dr Thirsk will speak in E-431 Van Vliet Centre starting at 12:15 pm.

Dr Thirsk is one of the six Canadian astronauts who were selected in 1983 and who have been in training since February 1984.

He received his early education

in Alberta and British Columbia and went on to take a BSc (mechanical engineering) at the University of Calgary, an MSc at the Massachusetts Institute of Technology and an MD at McGill University.

Dr Thirsk's visit is being coordinated by Mohan Singh (Physical Education and Sport Studies), 492-3890, 492-5601. □

CURRENTS



General Faculties Council

GFC's next meeting is scheduled for **Monday, 26 June, at 9 am** in the University Hall Council Chamber.

1. Approval of the Agenda
2. Approval of the Minutes of 29 May 1989
3. Question Period
4. New Members of GFC 1989-90
- Reports
 5. Executive Committee Report
 - 5.1 Executive Committee Minutes of 9 June 1989
 - 5.2 Executive Committee Minutes of 16 June 1989
 6. Report of the Board of Governors
 7. Report of the Nominating Committee
 - 7.1 Written Report
 - 7.2 Oral Report
 8. GFC Facilities Development Committee (FDC): Oral Report
 9. GFC Academic Development Committee (ADC): Oral Report
 10. GFC Planning and Priorities Committee (PPC): Oral Report
 11. University Research Committee: Oral Report

New business

12. GFC Committee on Admissions and Transfer (CAT): Proposal from CAT for Changes to its Composition and Terms of Reference
13. Admissions Committees in Quota Faculties: Recommendation from the GFC Committee on Admissions and Transfer (CAT)
14. Academic Schedule: Proposed Policy Changes from the Registrar
15. Nominating Committee Replenishment: Staff Nominations
16. Other Business

It is anticipated that additional items will be added from the 16 June Executive Committee meeting, including items on transfer policy and establishment of a quota for the Faculty of Education.

For information concerning this agenda, members of the University community may telephone the Secretary to GFC at 492-5430.

Introduction to online searching in the health sciences

What: "Do-it-yourself" or "End-user" searching of MEDLINE and other key health sciences databases.

Who: Faculty members, or other staff who are directly involved in teaching or research.

Where/When: Lecture: JW Scott Library, conference room (floor one), 9 to 12 am, Friday, 23 June.

Labs: 453 Central Academic Building, 2 to 3 pm, or 3:15 to 4:15 pm Tuesday, 27 June, Wednesday, 28 June, (if

required). Sign up for lab sessions at the lecture. There is no charge for the lecture or first-time lab attendees.

How: Call the JW Scott Library reference desk (492-7947) and leave your name, Faculty and phone number.

Outline: In the lecture both the theory and mechanics of formulating and executing a computer or online search will be discussed. The lab session puts into practice concepts and techniques from the lecture. The lecture and lab are a starting point to begin to explore the potential of online information retrieval.

Farewell Reception for Brian McQuitty

A reception will be held in honor of Brian McQuitty, who is stepping down from the position of Associate Vice-President (Facilities), at the end of June.

Professor McQuitty has held teaching and administrative positions in the Department of Agricultural Engineering and the Faculty of Agriculture and Forestry since joining the University in 1966 and prior to his term in the Office of the Vice-President (Administration).

The reception will be held on Friday, 23 June, from 3 to 5 pm at University House. Friends and colleagues are invited to attend to bid Brian farewell.

Those wishing to recognize the occasion are asked to show their support for the Agricultural Engineering Graduate Endowment Fund. Cheques should be made payable to the University of Alberta and sent to Peter Taitt, 3-16 University Hall. Tax receipts will be issued for donations of \$15 and over, or upon request, for donations of a lesser amount.

Wilfrid Pilkington, 1908 - 1989

Wilfrid Pilkington, Professor Emeritus and former Associate Dean of the Faculty of Education, passed away suddenly on 5 April.

Dr Pilkington graduated from Camrose Normal School in 1928. He earned his BA, BEd, and MA from the University of Alberta and later studied at the University of Minnesota. He began his teaching career in a two-room school, worked as a school principal, then joined the Faculty of Education in 1952.

Following his retirement in 1974, Dr Pilkington continued to teach for two more years at Grande Prairie College.

The University of Alberta awarded him an honorary Doctor of Laws degree in 1979.

Dr Pilkington served for many years as Associate Dean of Education and is remembered by many former students for his fair and considerate performance of his duties. He will also be remembered by colleagues and students alike for his humor and quick wit. □

New, improved MAPPS on the way

fifth revision to the Manual of Administrative Policies, Procedures and Services (MAPPS) is currently being printed and is scheduled to be distributed to campus MAPPS holders by the end of June. Along with the usual raft of stylistic and typographic corrections, a number of important additions and revisions to current sections and subjects have been made. These are:

Volume One - Personnel

01-030-006 Spousal Employment Policy
01-030-007 University of Alberta General Guidelines on AIDS
01-230-003 Rehabilitative Employment

01-250-004 Human Resource Development Fund

Volume Two - Finance

02-120-008 Inventories
02-140-001 Cash Receipts
02-140-006 Safekeeping of Cash and Cheques
02-140-008 Deposits in Transit
02-150 Payroll Policies/Procedures and Forms
02-160-003 General Travel

Volume Three - Facilities and Services

03-050 Capital Accounting
03-150 Information Systems
03-180-001 Telephone System
03-200-004 Campus Security

Volume Four - Index

Replace the contents of the Index.

The Manual of Administrative Policies, Procedures and Services is a document that is evolving through time and MAPPS users are seen to be crucial to its success. If you have any questions about MAPPS, please call the Office of the Board of Governors, 492-4951. □

Erratum

The 1 June issue of *Folio* (page 10) stated that during Myer Horowitz's presidency endowment money has grown from \$13.8 million to \$160.2 million. The second figure should have read \$116 million. □

Tumanov visiting Soviet Union

Alexander Tumanov (Slavic and East European Studies) is visiting the USSR as one of 12 scholars representing Canada under the Canada-USSR scholarly exchange program.

Dr Tumanov is a guest of the Soviet Academy of Sciences for his research on the life and creative work of Russian singer MA Olenina-d'Alheim. He will work in archives and libraries in Moscow and Leningrad during June. In July, Dr Tumanov will conduct research in Germany and France. □

ConText '89 journeys to the heart of speculative fiction

If aliens landed tomorrow, would they have ulterior motives, slay us all outright, or want to help us clean house?

Ten years ago, there were perhaps a dozen Canadian writers working in the speculative fiction genre. Now there are more than 100. Why?

Looking at but two items on the program, a great many vocal cords should be exercised at the ConText '89 conference at Lister Hall 30 June through 2 July. Steve Fahnestalk, one of the organizers of ConText '89, says the conference will "celebrate the non-media side of speculative fiction—the writers, artists and editors whose work is at the heart of sf." The program will focus on the reading, the writing and the art of science fiction and fantasy, Fahnestalk says.

Guests of honor include writers Charles de Lint and William Gibson, illustrators Leo and Diane Dillon, and Brad Thompson of the Alberta Research Council.

Registration opens on 30 June at 11 a.m. Weekend passes priced at \$15 and \$20 are available at the door.

Program details may be obtained by calling Randy Reichardt, 492-7911. □



"FOUR-EIGHT-SIXTEEN"

ADRIAN KLEINBERG 3/1/89

EVENTS



Talks

Alberta Heritage Foundation for Medical Research

19 June, 9 am Fritz Paltauf, Department of Biochemistry, Graz University of Technology, Austria, "Synthesis and Transport of Phospholipids and Enzymes in Yeast." 207 Heritage Medical Research Centre.

20 June, 9 am Dr Paltauf, "Ether Lipids in Model and Biological Membranes." 207 Heritage Medical Research Centre.

23 June, 9 am Michel Record and Francois Tercé, INSERM, Unit for Research on Biochemistry of Lipids, Toulouse, France, "Studies on the Intracellular Target Membrane for Translocation of CTP:Phosphocholine Cytidylyltransferase." 207 Heritage Medical Research Centre.

Statistics and Applied Probability

21 June, 3 pm PE Kopp, University of Hull, "Martingale Representations in Option Pricing." 657 CAB.

Finance and Management Science

22 June, 10:30 am Muhittin Oral, Université Laval, "Project Evaluation and Selection." 4-16 Business Building.

Chemistry

26 June, 11 am Roger Freidinger, Merck Sharpe and Dohme Research Laboratories, West Point, Pennsylvania, "Design and Synthesis of Non-Peptide Cholecystokinin and Gastrin Antagonists." 1-07 V-Wing.

The Arts

The Myer Horowitz Theatre

16, 17 and 18 June Christian Renewal Fellowships Conference: "Intercession to Holiness." 455-4470.

Studio Theatre

Until 17 June "The Benefactors." 492-2495.

Positions

The University of Alberta is committed to the principle of equity in employment.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Tenure Track Position, Department of Educational Psychology

The Department of Educational Psychology invites applications for a 0.50 tenure track position with specialization in the areas of development, learning or adolescent psychology. Part of the assignment will include the teaching of undergraduate and graduate courses in these specialized areas of educational psychology. The balance of the assignment will be developed in conjunction with the Assistant Dean (Practicum) and will help establish and sustain collaborative, school-based practice as well as help develop and provide in-service seminars for cooperating teachers and principals. This individual will provide an important link for the department with the BED program and with school-based personnel.

The appointment will be at the Assistant Professor level effective 1 September 1989. Current salary range for a full-time position is \$33,144 to \$47,280 per annum. On an annual basis, as need requires and budget permits, there will be additional teaching and supervisory assignments available to the appointee in order to establish the equivalent workload of a full-time position. Applicants must have a completed PhD degree and have an active research and publication record.

Applicants should forward the following materials:

1. A formal letter of application.
2. An indication of fields of current academic interests.
3. A detailed curriculum vitae.
4. Three letters of reference.

These materials should be directed to: Dr Eugene Romaniuk, Chair, Department of Educational Psychology, University of Alberta, 6th Floor Education North, Edmonton, Alberta T6G 2G5.

The closing date for applications is 15 July 1989; all documentary material must have been received by that date.

Administrative Professional Officer (Supervisor, Graphic Design and Illustration Services), Department of Technical Services

The Supervisor will be responsible for the management of a comprehensive graphics unit staffed and equipped to service the University community.

His/her duties will include ensuring the provision of competent, efficient graphic services, acting as a consultant in all facets of graphic production, maintaining positive customer relations and performing personnel administration and budgeting tasks as required.

The incumbent should possess a degree or diploma in a related field from a recognized university or technical school. He/she should be familiar with all aspects of graphic production and have had extensive supervisory experience.

The 1988-89 salary range for the position is \$31,362 to \$47,058.

Closing date for applications: 23 June 1989. Applications should be sent to: WH Jopling, Director of Technical Services, Art Workshop 1, University of Alberta, Edmonton, Alberta T6G 2R5.

Administrative Professional Officer, Department of Animal Science

The Department of Animal Science is a large and complex organization with a complement of 19 academic, and more than 50 non-academic staff. In addition to on-campus laboratories and offices, the department also operates six commercial-sized farms, and a number of off-campus laboratories.

Applications are invited for the position of Administrative Professional Officer. Reporting directly to the Chair, the general responsibilities of the position include planning, implementing and maintaining an efficient and effective administrative support structure in the department. Accountabilities include financial management and personnel administration. Effective communication skills are essential. The job involves liaison with the university community, and frequent contact with students, the general public, government and members of the agricultural industries.

Applicants should hold an appropriate university degree, and possess proven administrative abilities. The current salary range is \$27,911 to \$41,866 plus a comprehensive benefits package.

The application deadline is 10 July 1989. Applications, including a résumé and the names of three referees, should be sent to: Dr MA Price, Chair, Department of Animal Science, 310 Agriculture/Forestry Centre, University of Alberta, Edmonton, Alberta T6G 2P5. Telephone (403) 492-3235.

Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 9 June. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Positions available as of 9 June 1989.

The salary rates for the following positions reflect adjustments in accordance with the terms for the implementation of the Pay Equity Program, effective 1 April 1989 for those positions in the "green-circled" and "white-circled" categories.

Public Relations/Publications Clerk (Part-time), Grade 3, Office of Public Affairs, (\$1,061-\$1,306) (prorated)
Clerk Typist, Grade 4, University Computing Systems, (\$1,542-\$1,900)
Clerk Typist, Grade 5, Psychology, (\$1,564-\$2,087)
Clerk Steno, Grade 5, Anatomy and Cell Biology, (\$1,564-\$2,087)
Clerk Steno, Grade 5, Recreation and Leisure Studies, (\$1,564-\$2,087)
Clerk Steno, Grade 5, Universities Coordinating Council, (\$1,564-\$2,087)
Clerk Steno, Grade 5, Zoology, (\$1,564-\$2,087)
Secretary, Grade 5, Faculty of Business, (\$1,685-\$2,087)
Secretary, Grade 5, Stomatology, (\$1,685-\$2,087)
Student Records Processing Clerk, Grade 5, Faculté Saint-Jean, (\$1,685-\$2,087)
Building Service Worker, Grade 5 (37.5 hours/week), Physical Plant, (\$1,805-\$2,236)
Engineering Technologist (Telecommunications Assistant), Grade 6, Physical Plant - Telecommunications Division, (\$1,844-\$2,298)
Technician, Grade 10, Geology, (\$2,527-\$3,223)

The following positions retain salary rates in accordance with the current classification system and pay plan.

Clerk Typist II/Receptionist (Term to 31 August 1989), Student Awards, (\$1,276-\$1,584)
Clerk Steno II/III (Trust), Legal Resource Centre, (\$1,276-\$1,785)
Clerk Steno III (Part-time, Temporary), Comparative Literature (\$711-\$893) (prorated)
Clerk Steno III (Trust), Faculty of Medicine, (\$1,421-\$1,785)
Accounts Clerk (Term), Office of the Comptroller, (\$1,584-\$2,023)
Accounts (Billing) Clerk (Trust), Medicine, (\$1,584-\$2,023)
Medical Steno (Trust), Pediatrics, (\$1,584-\$2,023)
Secretary (Trust), Applied Sciences in Medicine, (\$1,584-\$2,023)
Building Service Worker II (40 hours/week), Housing and Food Services, (\$1,515-\$1,903)
Technologist I (Trust), Applied Sciences in Medicine, (\$2,023-\$2,611)
Technologist I (Trust), Medicine, (\$2,023-\$2,611)
Programmer Analyst II, Office of the Registrar, (\$2,397-\$3,113)
Programmer Analyst II, Computing Science, (\$2,397-\$3,113)
Programmer Analyst II (Term to February 1990), Extension, (\$2,397-\$3,113)

Postdoctoral Research Associate

A postdoctoral research associate is required to work on the histogenesis and organogenesis of marine invertebrate larvae. Qualifications: PhD in marine invertebrate zoology, with experience in electron microscopy.

Salary: Up to \$30,000 per annum, supplemented by a benefits package. **Term:** Appointment for one year, renewable for up to five years, beginning 1 September 1989.

Please submit curriculum vitae with two letters of reference to: Dr FS Chiu, Dean of Graduate Studies and Research, 2-8 University Hall, University of Alberta, Edmonton, Alberta T6G 2E9. Deadline for applications: 31 July 1989.

Advertisements

Accommodations available

Sale - Windsor Park. Large, gracious, family home. Panoramic view. Open fireplaces. Main floor family room, French doors, patio, very private backyard. Five minutes downtown. Fully developed basement. Beautifully maintained. 439-3670.

Victoria properties - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call collect (604) 592-3666, Lois Dutton, Wessex Realty, Victoria, BC.

For your real estate needs in Victoria, BC, contact Stephanie Ustina, realtor. Wessex Realty, (604) 592-3666; res (604) 383-0983.

Visiting Toronto? Bed and breakfast in our restored home, minutes to downtown. Swim and steam included. Rates from \$40. Ashleigh Heritage Home. (416) 535-4000.

Rent - Lansdowne. Four-bedroom home. Furnished or unfurnished. September 1989-September 1990. 492-3516, 434-3116.

Rent - Furnished, four-bedroom house. Many extras, convenient location. Available August for one year. 492-2335 or 436-8808.

Sale - Best buy in Valleyview. Three bedrooms, double garage, large lot. Resi Richter, LePage Realty, 483-9432.

Sale - Parkview bungalow in mint condition, fully developed, good mortgage. Resi Richter, LePage Realty, 483-9432.

Sale - Ravine location in Laurier. Large backsplint, four bedrooms. Resi Richter, LePage Realty, 483-9432.

Sale - Brick bungalow in Laurier. 1,950 sq ft, three bedrooms, family room, fully developed, double garage, pool, jacuzzi. Super mortgage. Resi Richter, LePage Realty, 483-9432.

Rent - Glenora. 1 August-1 June 1990. Three-bedroom house, den, sunrooms, dining room, double garage. Furnished, piano, washer, dryer, dishwasher, freezer. \$1,100/month. Janice or Andy, 454-2391, 429-5380.

Sale - Grandview, stylish, split-level near University. Quiet cul-de-sac location facing open park. Attached garage. \$234,500. Rod McKeen, Re/Max Realty, 481-2950.

Sale - Great family home in Petrolia. Near schools, French immersion, and recreation facilities. Blanche McKenzie, 462-8072, 436-5250. Spencer Realty.

Sale - Old Strathcona. Tastefully renovated, two storey for office or residence. \$158,900. Denise Rout, 435-6355, 436-5250. Spencer Realty.

Rent - Grandview. Large, furnished bungalow, four bedrooms, fireplace. September-April. \$1,200. Western Relocation, 488-0056.

Rent - South Petrolia. Executive home. Two storey, four bedroom. New stylish, mature landscaping, fabulous kitchen, double garage. \$1,450/month. August 1989. Western Relocation, (403) 488-0056.

Rent - Furnished condominium, one-bedroom/studio suite. University area, bright, spacious, stylish decor. \$1,250/month. Available September 1989. Western Relocation, (403) 488-0056.

Sale - Four-bedroom, two-storey home. Next to the University Farm. All hardwood under carpet. The perfect home for a professor. Call Agnes Fisher, Re/Max Real Estate, 438-1575, 466-4070.

Sale - Parkallen home. Huge living and dining rooms. Eat-in kitchen. Three bedrooms plus den. Separate entrance to basement suite. Nicely decorated. Agnes Fisher, Re/Max Real Estate, 438-1575, 466-4070.

Sale - Grandview. Five-bedroom, four-bathroom, family home. 3,000' plus 1,000' developed in basement. New roof, gorgeous upgraded kitchen. \$254,500. Evan Potter, Potter Realty, 434-2183.

Rent - Completely furnished, custom home, Valleyview. Twelve minutes to campus. All appliances. Fall to spring. No pets. Nonsmokers. \$800. 483-6300.

Share - Female willing to share luxury home. Private, quiet, 12 minutes University. \$295. 483-5121.

Rent - Fully furnished, very attractive bungalow on Saskatchewan Drive, near University. Available 1 August 1989 to 15 June 1990. Dates flexible, rent moderate. Phone 432-7640.

Rent - Five-bedroom, executive home. West end. 2 July-23 July. \$600. 487-7059.

Rent - January for one year, two-plus-bedroom bungalow, fully furnished, large lot, garden. Pleasantview. Quiet area close to schools, bus, stores. \$650/month. Nonsmokers. 435-2027.

Rent - Quiet, easy access to University. One bedroom, reasonable, immediate. 482-7933, 430-7770.

Share - House near University. Female, nonsmoker preferred. Furnished. Rent \$325 plus shared utilities. Available 1 July. Phone 437-3399.

Housesitter required, 2-24 August. 435-2453.

Sale - Grandview. Custom-built, 1,856' bungalow. Neutral carpet, three baths, finished basement. Carole-Anne Brown, Spencer Realty, 436-5250.

Sale - Riverbend. Five-bedroom, three-bathroom home overlooking Fort Edmonton Park. Panoramic view, double detached garage. Vendor transferred, must be sold. Valerie Cload, Spencer Realty, 436-5250 (bus), 433-4720 (res).

Rent - Available 1 August. Historic, four-bedroom house, near campus. Fireplace, panelled dining room, large living room with wooden columns, well-treed lot. \$975/month, (renewable lease). \$800 DD. 433-2904.

Rent - College Plaza. Recent female graduate wants someone similar to share two-bedroom apartment. Very close University. Swimming, tennis, exercise room. 468-6722, Melinda (days).

Rent - Parkallen. Renovated and upgraded, 1,560' semi bungalow. Hardwood floors. For details, call Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Sale - Belgravia. Charming, 2,485' two storey. Four bedrooms, large formal

dining room. Very pleasant family room. Double attached garage. Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Sale - West end. 1,500', attractive, immaculate bungalow. Crescent location. Park-like, pie-shaped lot. For extras, call Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Sale - Aspen Gardens. New listing, immaculate, well-built bungalow. Crescent location. Call Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Sale - Lake Wabamun. North shore cottages. Large lots. \$56,500 up. Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Sale - 7.53 acres. Asking \$36,000. Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Sale - Windermere area. One-acre lots. Chris Tenove, 433-5664, 436-5250. Spencer Realty.

Rent - London, England, furnished house, 2 double, 1 single bedroom, living room, kitchen, bathroom, central heating, large garden. For 6 to 12 months, from 1 September. For further information, 469-2033.

Accommodation exchange

Montreal artist seeks exchange/sublet/housesitting, July-August. For small, bright loft in great area in Montreal. Seeking central Strathcona accommodation. Harriet, (514) 287-9895.

Accommodations wanted

Grad student available to apartment/housesit. September-June. References available. Contact Margaret Nethercut, St Stephen's Theological College, 439-7311 or phone (306)-783-8490.

Lawyer and wife wish to make accommodation arrangement for July/August 1989-August 1990 in Tokyo with Japanese scholars from Tokyo. 434-1318.

Wanted to rent - House within walking distance Mackenzie Centre. 1 August or 1 September. Phone 459-3606.

Australian visitor to Canada requires accommodation 13 July-15 September 1989. A furnished, one-bedroom suite, close to the University campus would be ideal. Please call 492-3607.

Automobiles and others

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